

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch 10625 Fallstone Road, Houston, TX 77099 Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site NameDimock Residential Groundwater Site
Sample Collection Date(s) 05/22/12 - 05/23/12
Contact Cynthia Caporale (3EA21)
Report Date06/14/12
Project # 12SF110
Work Order(s)1205010

Analyses included in this report:

ABN Glycols

Report Narrative

During the analysis of samples, a sequence error occurred that prevented the ending calibration checks from running. The ending calibration checks were analyzed the next morning. No targets were found in the samples.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh Region 6 Laboratory Branch Chief

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Dimock Residential Groun	nawater Site Froject Number: 12	25F110
Data Management Coordinator: Chris Data Management Gordinator Signature		1/17
Date Transmitted: 4/14/12	<u> </u>	
Please have the U.S. EPA Project Man comments or questions.	ager/Officer call the Data Management Coord	dinator at 3-2137 for any
Please sign and date this form below as	nd return it with any comments to:	
Christy Warren Data Management Coordinate Region 6 Laboratory 6MD-HS	or	
Received by and Date	<u> </u>	
Comments:		
The laboratory routinely disposes of sa hold these samples in custody longer th	amples 90 days after all analyses have been co han 90 days, please sign below.	ompleted. If you have a need to
Signature	Date	
Please provide a reason for holding:		

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
FB23	1205010-01	Liquid	5/23/12 13:25	05/24/12 09:00
HW63	1205010-02	Liquid	5/23/12 13:09	05/24/12 09:00
HW63z	1205010-03	Liquid	5/23/12 13:10	05/24/12 09:00
FB22	1205010-04	Liquid	5/22/12 11:58	05/24/12 09:00
HW62	1205010-05	. Liquid	5/22/12 15:59	05/24/12 09:00
HW64	1205010-06	Liquid	5/22/12 11:10	05/24/12 09:00
HW64-P	1205010-07	Liquid	5/22/12 11:40	05/24/12 09:00

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-01

Station ID: FB23

Batch: B2E2402 Sample Type: Liquid Date Collected: 05/23/12

Sample Qualifiers:

Sample Vol: 1ml

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	11	*1	11
						DG

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-02

Station ID: HW63

Batch: B2E2402

Sample Type: Liquid

Date Collected: 05/23/12 Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	11	t)	11
					*	DG

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-03

Station ID: HW63z

Batch: B2E2402

Date Collected: 05/23/12 Sample Vol: 1ml

Sample Qualifiers:

Sample Type: Liquid

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0		. 11	. ¹¹

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-04

Station ID: FB22

Batch: B2E2402

Sample Type: Liquid

Date Collected: 05/22/12

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	, U		2.0	ır	, IT	. 11
						DG

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-05

Station ID: HW62

Batch: B2E2402 Sample Type: Liquid Date Collected: 05/22/12

Sample Qualifiers:

Sample Vol: 1ml

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	ប		2.0	1.	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	11	!!	· н • DG

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-06

Station ID: HW64

Batch: B2E2402

Date Collected: 05/22/12 Sample Vol: 1ml

Sample Qualifiers:

Sample Type: Liquid

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	· U		2.0	u ·	"	11

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-07

Station ID: HW64-P

Batch: B2E2402

Sample Type: Liquid

Date Collected: 05/22/12

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	Ü		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	n	ır	. "1
						DG

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS - Quality Control

Batch: B2E2402 Sample Type: Liquid

Blank (B2E2402-BLK1)

Prepared: 5/24/2012 Analyzed: 5/24/2012

Targets

ANALYTE	Result mg/L	Analyte Reporting Qualifiers Limit	
Propylene glycol	 U	2.0	
Ethylene glycol	U	2.0	

LCS (B2E2402-BS1)

Prepared: 5/24/2012 Analyzed: 5/24/2012

Targets

ANALYTE	Result mg/L	Analyte Reporting Qualifiers Limit	Spike Level	%REC %REC Limits
Propylene glycol	9.2	2.0	10.0	91.8 70-130
Ethylene glycol	9.4	2.0	10.0	94.3 70-130

Matrix Spike (B2E2402-MS1)

Source: 1205010-05

Prepared: 5/24/2012 Analyzed: 5/24/2012

Targets

ANALYTE	Result mg/L	Analyte Reporting Qualifiers Limit	Spike Level	Source Result	%REC	%REC Limits	
Propylene glycol	9.8	2.0	10.0		98.3	70-130	
Ethylene glycol	11.1	2.0	10.0		111	70-130	

Matrix Spike Dup (B2E2402-MSD1)

Source: 1205010-05

Prepared: 5/24/2012 Analyzed: 5/24/2012

Targets

			Analyte Reporting				%REC		RPD
١	ANALYTE	mg/L	Qualifiers Limit	Level	Result	%REC	Limits	RPD	Limit
]	Propylene glycol	9.0	2.0	10.0		90.0	70-130	8.89	30
]	Ethylene glycol	10.5	2.0	10.0		105	70-130	5.58	30

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Amethor 7500,0076,4621	375-4621				Cooler # 285	235				Las Pinc	Lab Phone 1819/37157	12157
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Notes and Definitions

A This sample was extracted at a single acid pH.

HTS Sample was prepared and/or analyzed past recommended holding time. Concentrations should be

considered minimum values.

AES Atomic Emission Spectrometer

CVAA Cold Vapor Atomic Absorption

ECD Electron Capture Detector

GC Gas Chromatograph

GFAA Graphite Furnace Atomic Absorption

ICP Inductively Coupled Plasma

MS Mass Spectrometer

NA Not Applicable

NPD Nitrogen Phosphorous Detector

NR Not Reported

TCLP Toxicity Characteristic Leaching Procedure

U Undetected

Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds per square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

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